

Prototype Development Branch (DEP)

Provides design and manufacturing consultations, and performs hardware fabrication and modification to all NASA space and aeronautics programs and research activities, as well as other government agencies, academia, and the private sector utilizing concurrent engineering principles. Areas of specialty include: precision machining; metal fabrication; fabricate, package, assembly, and troubleshooting instrumentation devices that measure properties of fluid physics and solid mechanics; rapid turnaround 3-D modeling using plastic modeling (Selective Laser Sintering) and cured resin modeling (Stereolithography); 3-D measurement techniques for hardware inspection and quality assurance; and provides a one-stop service, utilizing specialized hardware development experience, extensive corporate knowledge of available manufacturing vendors, and comprehensive understanding of the federal procurement process to purchase research hardware manufactured in the private sector.

